

Title (en)

Coupling and angle measuring device with such coupling

Title (de)

Kupplung und Winkelmesseinrichtung mit dieser Kupplung

Title (fr)

Embrayage et dispositif de mesure d'angle pourvu d'un tel embrayage

Publication

**EP 1757908 A1 20070228 (DE)**

Application

**EP 06010865 A 20060526**

Priority

- DE 102005027071 A 20050611
- DE 102006020067 A 20060429

Abstract (en)

The coupling has a set of tabs (1.31 - 1.36.) integrally formed with base units (1.11 - 1.16) at node areas (1.21 - 1.26), where each node area is arranged between a set of support points. The node areas and tabs are flexurally softer than the base units. Ratio of greatest extension of the base units in a radial direction to smallest extension of the node areas in the radial direction ranges to a particular value. The base units are geometrically arranged such that extension of the base units in the radial direction increases with increasing distance from the node areas. An independent claim is also included for an angular position measurement device comprising a component part.

IPC 8 full level

**G01D 5/347** (2006.01); **F16D 3/58** (2006.01)

CPC (source: EP US)

**G01D 5/34738** (2013.01 - EP US)

Citation (search report)

- [X] DE 8205311 U1 19850530
- [X] EP 1353150 A2 20031015 - STEGMANN GMBH & CO KG [DE]
- [A] DE 10203278 A1 20020912 - HEIDENHAIN GMBH DR JOHANNES [DE]
- [DX] DE 10028651 A1 20010104 - HEIDENHAIN GMBH DR JOHANNES [DE]
- [A] FR 1198842 A 19591209

Cited by

DE102012207123A1; DE102011086462A1; EP2216630B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**US 2006277771 A1 20061214; US 7469478 B2 20081230;** AT E402398 T1 20080815; CN 1877148 A 20061213; CN 1877148 B 20110622; DE 102006020067 A1 20061214; DE 502006001177 D1 20080904; EP 1757908 A1 20070228; EP 1757908 B1 20080723; ES 2309865 T3 20081216; JP 2006349168 A 20061228; JP 5019793 B2 20120905

DOCDB simple family (application)

**US 44849906 A 20060606;** AT 06010865 T 20060526; CN 200610091760 A 20060612; DE 102006020067 A 20060429; DE 502006001177 T 20060526; EP 06010865 A 20060526; ES 06010865 T 20060526; JP 2006160827 A 20060609